

Notice of Allowability

Application No.

10/695,844

Examiner

Marissa J. Detschel

Applicant(s)

MAGARILL ET AL.

Art Unit

2877

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to Amendment filed May 1, 2006.
2. ☒ The allowed claim(s) is/are 1-14 and 21-33.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☒ Interview Summary (PTO-413), Paper No./Mail Date 20060629.
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____.

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with George Jonas (RN 46811) on June 29, 2006.

The application has been amended as follows:

- As to claim 1, step 3, line 2, the phrase "(the "splitting/filtering/recombining process")" has been removed.
- As to claim 1, step B, lines 1-2, the phrase "the splitting/filtering/recombining process" has been replaced with --by way of steps 1 to 3--
- As to claim 1, step B, line 2, the phrase "(the "recombined white light")" has been removed.
- As to claim 1, step a, lines 2-3, the phrase "filtered blue light and the specified desired" has been replaced with --filtered blue light formed in step 2 and the specified desired--
- As to claim 1, step b, line 2, the phrase "recombined white light" has been replaced with --recombined white light formed in step 3--

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- As to claim 1, step c, lines 1-2, the phrase "the splitting/filtering/recombining process" has been replaced with --the process of steps 1 to 3--
- As to claim 5, step 3, line 2, the phrase "(the "splitting/filtering/recombining process")" has been removed.
- As to claim 5, step B, lines 1-2, the phrase "the splitting/filtering/recombining process" has been replaced with --by way of steps 1 to 3--
- As to claim 5, step B, line 2, the phrase "(the "recombined white light")" has been removed.
- As to claim 5, step a, lines 2-3, the phrase "filtered blue light and the specified desired" has been replaced with --filtered blue light formed in step 2 and the specified desired--
- As to claim 5, step b, line 2, the phrase "recombined white light" has been replaced with --recombined white light formed in step 3--
- As to claim 5, step c, lines 1-2, the phrase "the splitting/filtering/recombining process" has been replaced with --the process of steps 1 to 3--
- As to claim 6, step 3, line 2, the phrase "(the "splitting/filtering/recombining process")" has been removed.

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- As to claim 6, step B, lines 1-2, the phrase "the splitting/filtering/recombining process" has been replaced with --by way of steps 1 to 3--
- As to claim 6, step B, line 2, the phrase "(the "recombined white light")" has been removed.
- As to claim 6, step a, lines 2-3, the phrase "filtered blue light and the specified desired" has been replaced with --filtered blue light formed in step 2 and the specified desired--
- As to claim 6, step b, line 2, the phrase "recombined white light" has been replaced with --recombined white light formed in step 3--
- As to claim 6, step c, lines 1-2, the phrase "the splitting/filtering/recombining process" has been replaced with --the process of steps 1 to 3--
- As to claim 9, the phrase "of Claim 1" has been removed from lines 6 and 7-8.
- Claims 18-20 have been cancelled.
- As to claim 23, the phrase "blue color coordinates, the green color coordinates, the red color coordinates and the white color coordinates" has been replaced with --desired blue color coordinates, the desired green color coordinates, the desired red color coordinates and the desired white color coordinates--

Allowable Subject Matter

Claims 1-14 and 21-33 are allowed.

The following is an examiner's statement of reasons for allowance:

As to claims 1, 5, 6, and 9 the prior art of record, taken alone or in combination, fails to disclose or render obvious a method of determining a spectrum for a light source to be used in a projection system comprising calculating color coordinates for the light after being sent through red, green, and blue filters and comparing these calculated color coordinates to desired (i.e. reference) corresponding color coordinates and reducing differences between the two sets of color coordinates to achieve a target spectrum for the source, in combination with the rest of the limitations of claims 1, 5, 6, and 9.

As to claim 21, the prior art of record, taken alone or in combinations, fails to disclose or render obvious a method comprising determining wavelength cutoffs for blue, green, and red filters, sending light from a source through said filters to create subsequent spectra, calculating color coordinates from said spectra, and comparing said calculated color coordinates to a set of desired color coordinates to find differences, and reducing the differences by adjusting at least one of the source or the filter wavelength cutoffs, in combination with the rest of the limitations of claim 21.


Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Marissa J. Detschel whose telephone number is 571-272-2716. The examiner can normally be reached on M-F 8:30am-5:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Gregory J. Toatley, Jr. can be reached on 571-272-2059. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Marissa J Detschel
June 29, 2006



HWA (ANDREW) LEE
PRIMARY EXAMINER